

ABSTRACT**RECOVERY OF GLOBAL HISTORY VECTOR IN THE EVENT OF A
NON-BRANCH FLUSH**

5 A method and system for recovering a global history vector. In the event of a
non-branch flush, a tag may be received by a queue configured to store information
about branch instructions. The queue may read a copy of the global history vector
from an entry indexed by the tag. This copy may be inserted in a global history
vector mechanism ("GHV mechanism") configured to manage the global history
vector. If the flush operation is a flush to a group of instructions that contains no
10 branch instructions and the tag does not equal the next-to-write pointer in the queue,
then the queue may transmit a command to the GHV mechanism to enter a mode
where the GHV mechanism does not update the global history vector until the next
branch instruction is fetched.